

Verification Report

No. CANEC1513906101

Date: 31 Aug 2015

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Sample Name : Chopper
 SGS Job No. : CP15-046124 - GZ
 Tested Basic Model No. KL-210
 (P.O. No.) :
 Client Ref. Info. : See remark(3)
 Date of Sample Received : 10 Aug 2015
 Verification Period : 10 Aug 2015 - 31 Aug 2015
 Verification Requested : With reference to RoHS Directive 2011/65/EU recasting 2002/95/EC.
 Verification Method : Please refer to next page(s).
 Verification Result : Please refer to next page(s).
 Verification Conclusion : Based on the verification results of the submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) comply with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.
 Note : The test results are related only to the tested items. The report shall not be reproduced except in full without the written approval of the testing laboratory.

Signed for and on behalf of
 SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jenny

Jenny Liao
 Approved Signatory



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 Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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Verification Method :

1. With reference to IEC 62321-2:2013, review was performed for the samples disjointed from the submitted articles.
2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in the report.
 - (1) With reference to IEC 62321-3-1: 2013, screening by EDXRF Spectroscopy
 - (2) Wet Chemical Test Method:
 - a. With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
 - b. With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
 - c. With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.
 - d. With reference to IEC 62321:2008, determination of Hexavalent Chromium by spot test / Colorimetric Method using UV-Vis.
 - e. With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS



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In accordance with the result of material risk assessment, the following disjointed parts in the submitted sample have been verified.

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
1	Transparent plastic shell	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
2	Transparent plastic cover (on No.1)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
3	White plastic shell (on No.2)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
4	Black plastic handle (on No.1)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
5	White rubber part (on No.1)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
6	White plastic part (in No.1)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
7	Silvery metal sheet (on No.6)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL IN --- ---	--- --- --- Negative --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
8	Silver metal rod (connected w/ No.6)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL IN --- ---	--- --- --- Negative --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
9	White plastic part (connected w/ No.6)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
10	White plastic part (in No.9)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
11	White translucent rubber ring (big) (on No.2)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
12	White translucent rubber ring (small) (in No.2)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
13	Black plastic shell (in No.3)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
14	White plastic (cable jacket) (connected w/ No.3)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
15	White plastic tie (on No.14)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
16	White plastic (plug overmold) (connected w No.14)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
17	Kelly plastic button w/ black printing (on No.3)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
18	Grey metal spring (on No.17)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
19	Grey-white plastic gear (in No.13)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
20	Black plastic shell (in No.13)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
21	Silvery metal sheet (in No.13)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL IN --- ---	--- --- --- Negative --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
22	Black plastic part (on No.13)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
23	Silvery metal screw (in No.13)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
24	White plastic sheet (on No.13)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
25	Silvery metal rod (in No.13)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
26	Grey-white plastic gear (on No.20)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
27	Brown plastic ring (on No.26)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
28	Silvery metal screw (on No.20)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL IN --- ---	--- --- --- Negative --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
29	Silvery metal sheet (in No.20)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL IN --- ---	--- --- --- Negative --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
30	Silvery metal part (in No.20)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL IN --- ---	--- --- --- Negative --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
31	Brass metal ring (in No.26)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
32	Grey-white plastic sheet (in No.26)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL IN IN	--- --- --- --- ND ND	Comply Comply Comply Comply Comply Comply	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
33	Silvery metal spring (on No.32)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL IN --- ---	--- --- --- Negative --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
34	Grey-white plastic sheet (on No.33)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
35	Silvery metal sheet (on No.29)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL IN --- ---	--- --- --- Negative --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
36	Grey metal ring (in No.29)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
37	Dk-grey sponge ring (in No.29)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
38	Silvery metal shaft (connected w/ No.29)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
39	Grey metal gear (on No.38)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
40	Brown plastic impeller (on No.38)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
41	Brown plastic ring (on No.38)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
42	Brass metal ring (on No.38)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL IN --- ---	--- --- --- Negative --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
43	Silvery metal ring (on No.38)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL IN --- ---	--- --- --- Negative --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
44	Brown plastic ring (big) (on No.38)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
45	Lt-grey plastic part (on No.38)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
46	Copper-colored metal part (on No.38)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
47	Black plastic part (on No.30)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
48	Blue body w/ black printing (on No.30)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
49	Silvery metal spring (in No.47)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
50	Black material	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
51	Silvery metal solder (on No.47)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
52	Golden metal rivet (on No.47)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
53	Golden metal sheet (in No.47)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
54	Golden/ silvery metal terminal (connected w/ No.47)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
55	Black plastic (wire insulation) (connected w/ No.54)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
56	Silvery metal screw (on No.29)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
57	White plastic part (connected w/ No.55)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
58	Grey plastic sheet (on No.57)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
59	Silvery metal screw (on No.58)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL IN --- ---	--- --- --- Negative --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
60	Golden metal washer (on No.58)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
61	Grey plastic rod (connected w/ No.58)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
62	Dk-grey metal spring (on No.61)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
63	Silvery metal screw (short) (on No.58)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
64	Copper-colored metal sheet (on No.58)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
65	Silvery metal solder (on No.64)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
66	Copper-colored metal sheet (small) (on No.58)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
67	White plastic w/ grey printing (wire insulation) (connected w/ No.66)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
68	Black plastic (heat shrinkable tube) (connected w No.67)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
69	Silvery metal pin (in No.68)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
70	Black body w/ silvery printing (in No.68)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL IN IN	--- --- --- --- ND ND	Comply Comply Comply Comply Comply Comply	10 Aug 2015
71	Golden metal part (in No.68)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
72	Silvery metal shell (connected w/ No.55)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
73	White translucent rubber part (on No.72)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
74	Yellow plastic shell w/ black printing (connected w/ No.72)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL IN IN	--- --- --- --- ND ND	Comply Comply Comply Comply Comply Comply	10 Aug 2015
75	White translucent plastic sheet (connected w/ No.55)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
76	Yellow adhesive plastic tape (connected w/ No.75)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
77	Red plastic (wire insulation) (connected w/ No.76)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
78	Golden metal sheet (in No.72)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
79	Multicolor metal sheet w/ black printing (on No.78)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
80	Copper-colored metal sheet (on No.79)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
81	Black plastic part (in No.72)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
82	Copper-colored/ silvery metal pin (in No.81)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
83	Yellow block (envelopment) (on No.74)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
84	Silvery metal pin (connected w/ No.74)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
85	Black plastic w/ white printing (heat shrinkable tube) (on No.84)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
86	White rubber part (connected w/ No.14)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
87	Blue plastic (wire insulation) (in No.14)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
88	Brown plastic (wire insulation) (in No.14)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
89	Silvery metal wire (in No.15)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
90	White plastic (plug innermold) (connected w/ No.16)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL IN IN	--- --- --- --- ND ND	Comply Comply Comply Comply Comply Comply	10 Aug 2015
91	Silvery metal pin (connected w/ No.90)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	OL BL BL BL --- ---	18395▲ --- --- --- --- ---	Comply Comply Comply Comply --- ---	10 Aug 2015
92	Transparent glass part	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
93	White translucent plastic part (thin)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015
94	White translucent plastic part (thick)	-	Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	10 Aug 2015

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Remark :

(1) (a) There are the results on total Br while test items on restricted substances are PBBs and PBDEs. There is the result on total Cr while test item on restricted substances is Cr(VI).

(b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321-3-1:2013 (unit: mg/kg).

Element	Polymer	Metal	Composite Materials
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Br	$BL \leq (300-3\sigma) < X$	--	$BL \leq (250-3\sigma) < X$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$

(c) BL = Below Limit, OL = Over Limit, IN = Inconclusive, LOD = Limit of Detection, -- = Not regulated.

(d) The XRF screening test for RoHS elements - The reading may be different to the actual content in the sample be of non-uniformity composition.

(2) (a) mg/kg = 0.0001%, MDL = Method detection Limit, ND = Not Detected (<MDL), --- = Not conducted, - = Without BOM.

(b) Unit and MDL in wet chemical test

Test Item	Pb	Cd	Hg
Unit	mg/kg	mg/kg	mg/kg
MDL	10	10	10

The MDL for single compound of PBBs and PBDEs is 100 mg/kg, MDL of Cr(VI) for polymer and composite sample is 10 mg/kg.

(c) According to IEC 62321:2008, result on Cr(VI) for metal sample is shown as Positive/Negative.
Negative = Absence of Cr(VI) coating, Positive = Presence of Cr(VI) coating.

(d)▲ = According to the declaration from the client,

Lead (Pb) in No.91 is exempted by EU RoHS directive 2011/65/EU based on [ANNEX III 6(c)]: Copper alloy containing up to 4 % lead by weight.

(3) According to declaration from client, the materials in models as below are the same as those in model KL-210. KL-210B, KL-210C, KL-210E, KL-210F, KL-212, KL-218, KL-219, KL-213, KL-213E, KL-216, KL-216B, KL-217, KL-217B, KL-217C, KL-217F, KL-217G, KL-222, KL-226, KL-226B, KL-227, KL-228, KL-229, KL-322, KL-322B, KL-323A, KL-323B, KL-323C, KL-326, KL-326B, KL-328, KL-329, KL-329B, KL-601, KL-602, KL-603S, KL-603L, KL-606, KL-608, KL-611, KL-611B, KL-613, KL-618, KL-616, KL-616B, KL-703, KL-703B, KL-801, KL-802, KL-802B, KL-803, KL-803B, KL-803C, KL-803D, KL-806, KL-806B, KL-RD516, KL-RD516B, KL-809, KL-808A, KL-808B, KL-808C, KL-808D, KL-RD216, KL-RD216B, KL-RD316, KL-RD316B, KL-813, KL-821, KL-915, KL-916, KL-916B, KL-916C, KL-916D, KL-912, KL-912B, KL-917, KL-919, KL-918, KL-913, KL-913B, KL-211, KL-211B, KL-TS102, KL-TS103, KL-TS103S, KL-TS116, KL-TS106, KL-TS106A, KL-TS106S, KL-TS106AS, KL-TS107, KL-TS117, KL-TS127B, KL-TS127, KL-326C, KL-326D, KL-328B, KL-TS160, KL-TS161, KL-TS128, KL-TS128B, KL-TS228, KL-TS326, KL-TS327A, KL-TS328, KL-TS337G, KL-TS338G, KL-TS339G, KL-TS337, KL-TS338, KL-TS339, KL-TS136G, KL-TS137G, KL-TS138G, KL-TS136, KL-TS137, KL-TS138, KL-TS336, KL-TS326A, KL-TS329S, KL-TS329S, KL-TS327, KL-215, KL-215B, KL-818, KL-818A2, KL-818A3, KL-818B, KL-818B2, KL-818B3, KL-818C, KL-818C2, KL-818C3, KL-IS600, KL-IS600B, KL-IS700, KL-IS700B, KL-TS188G, KL-TS189G, KL-TS166GA, KL-TS166GC, KL-TS166GB, KL-TS166GD, KL-TS167G, KL-TS169G, KL-TS165G, KL-TS167GS, KL-TS167, KL-TS165, KL-TS166A, KL-TS166D, KL-TS169, KL-TS186, KL-TS187, KL-TS136G, KL-TS137G, KL-TS138G, KL-TS136, KL-TS137, KL-TS138, KL-TS128, KL-TS 128A, KL-TS128B, KL-TS 128C, KL-TS228, KL-TS228B, KL-TS326, KL-TS327A, KL-TS328, KL-TS337G, KL-TS338G, KL-TS339G, KL-TS337, KL-TS338, KL-TS339, KL-TS336, KL-TS336A, KL-TS329S, KL-TS327S, KL-TS329, KL-TS327



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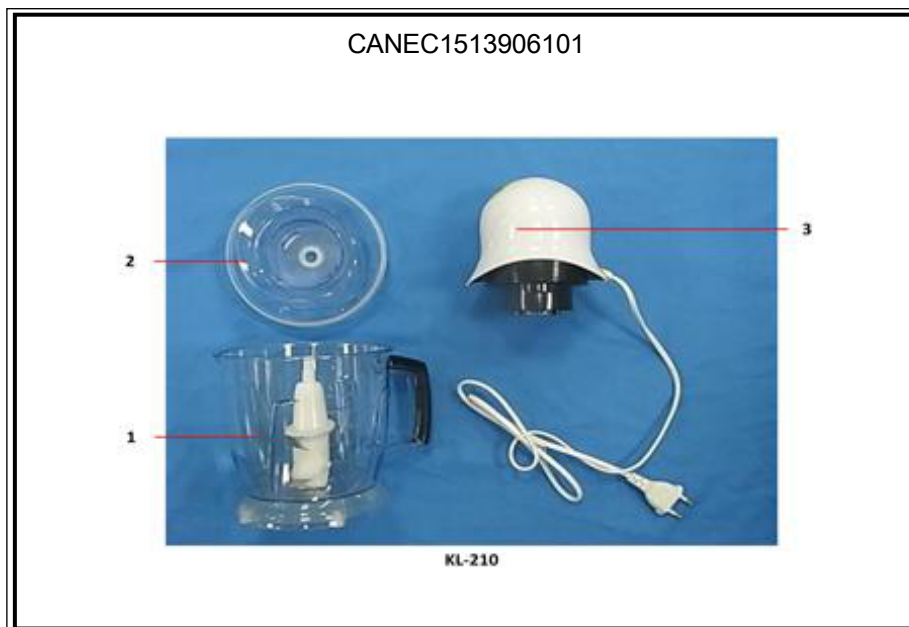
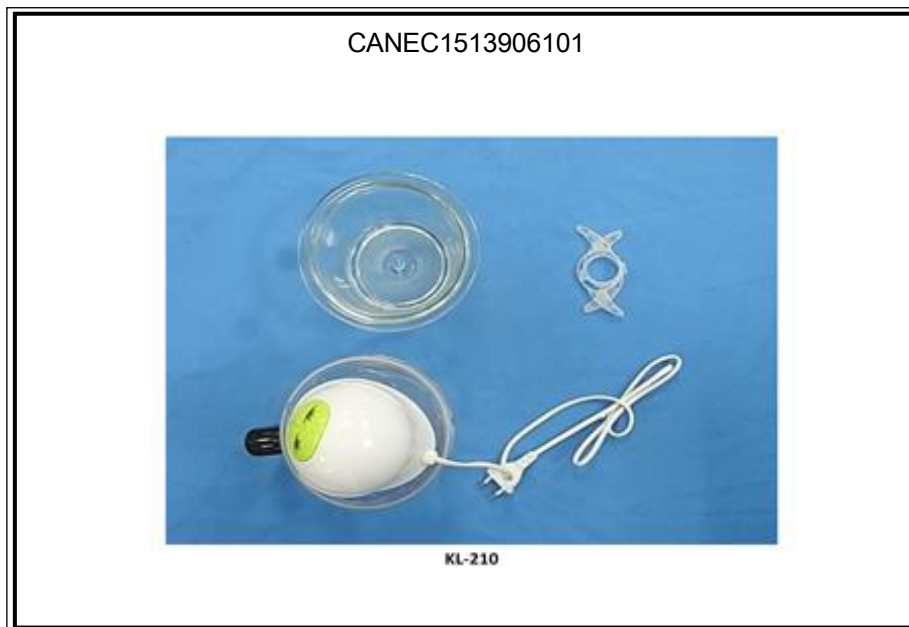
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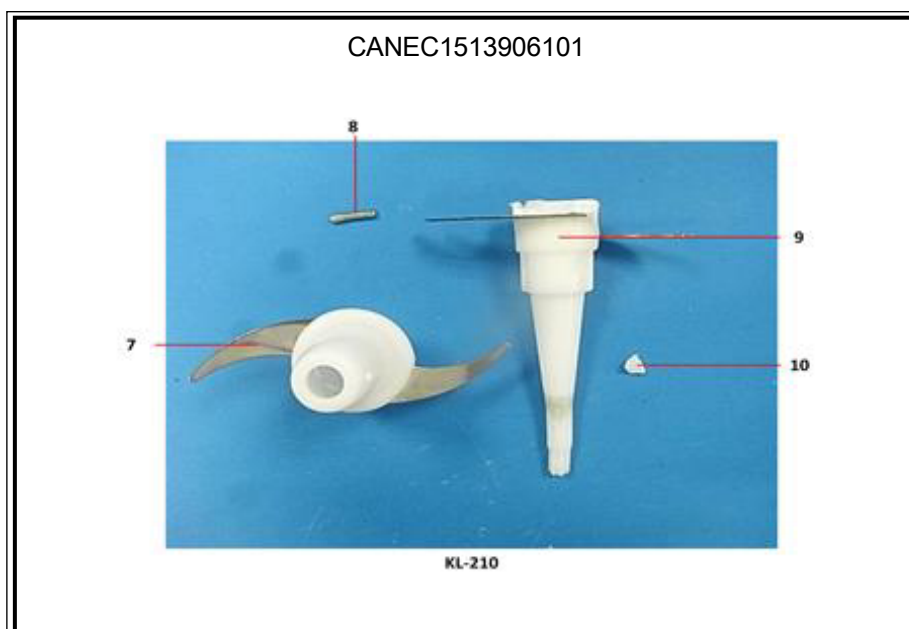
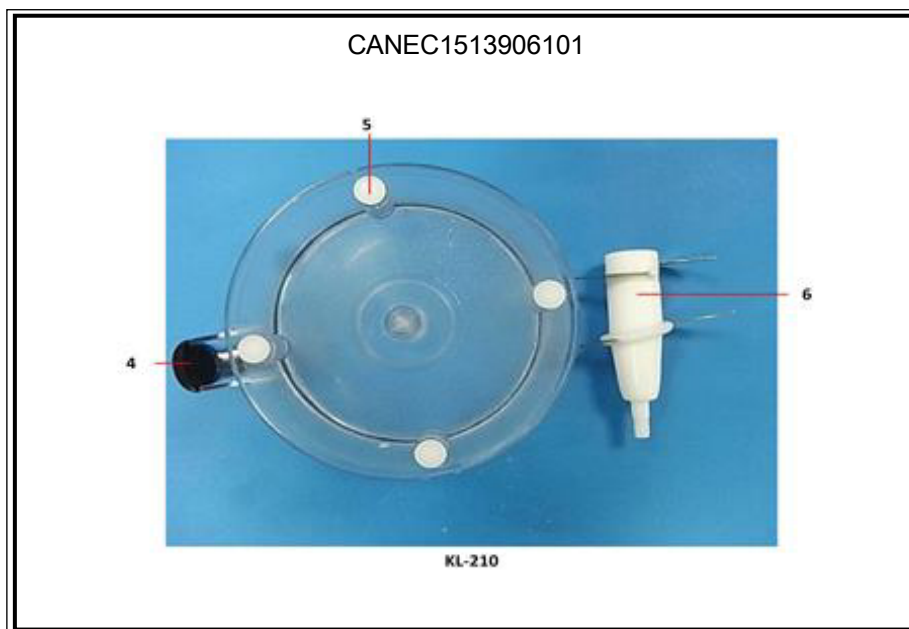
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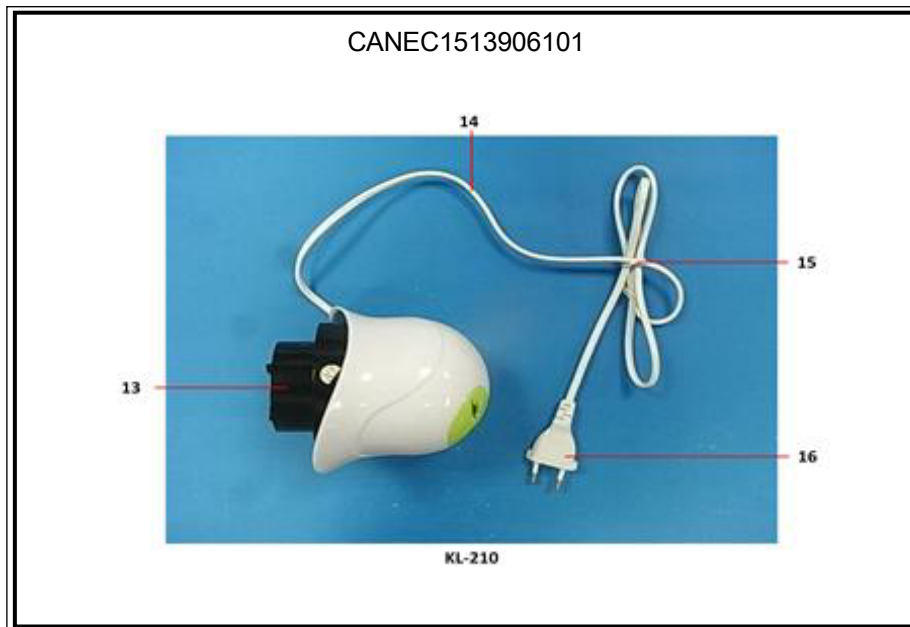
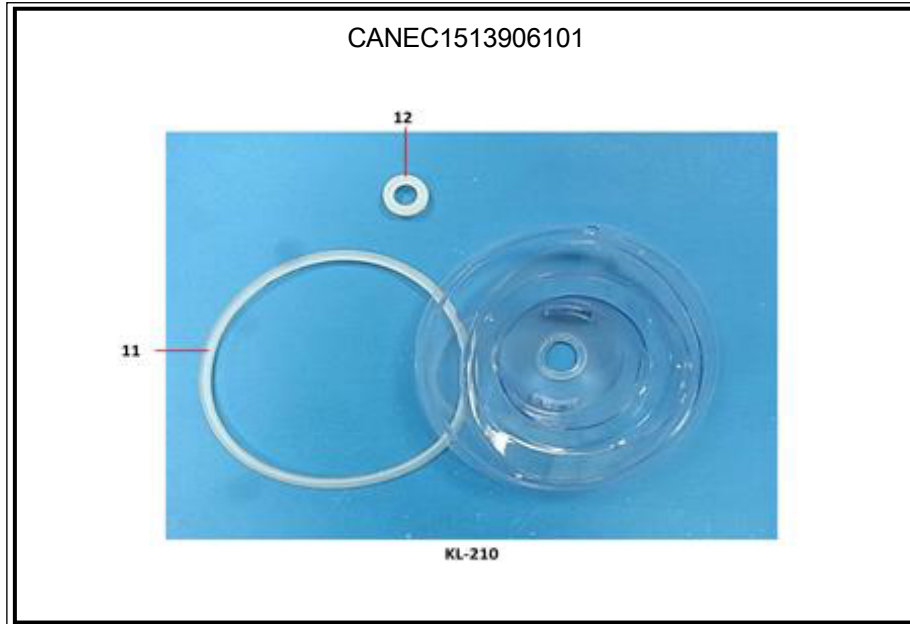
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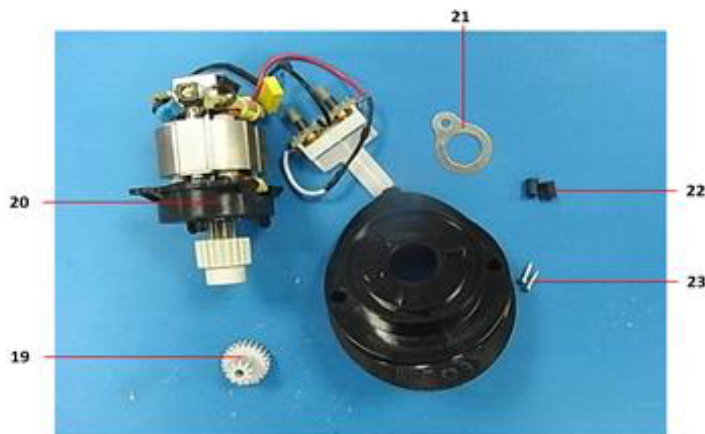


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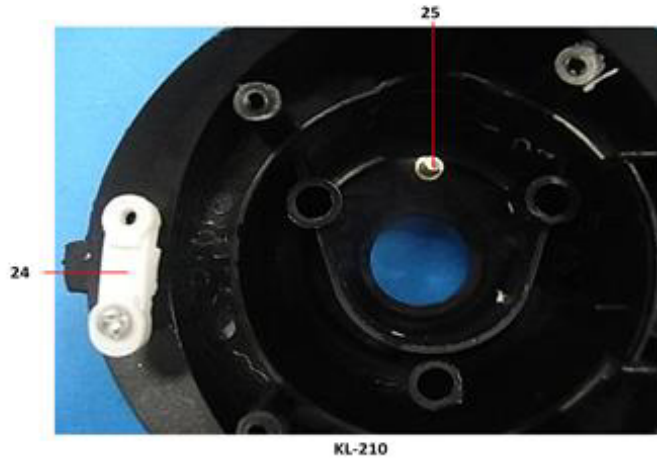
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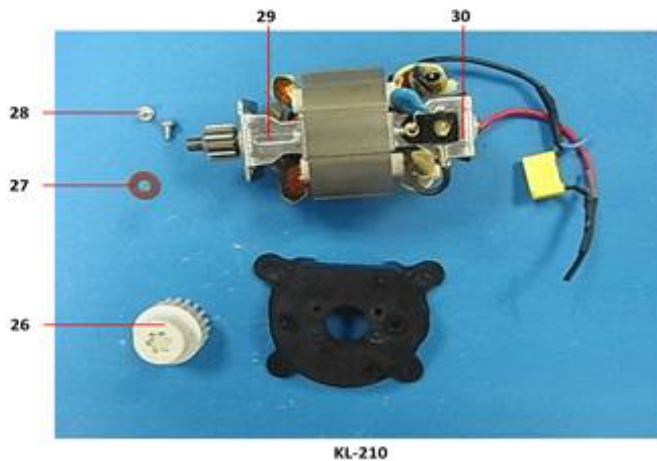


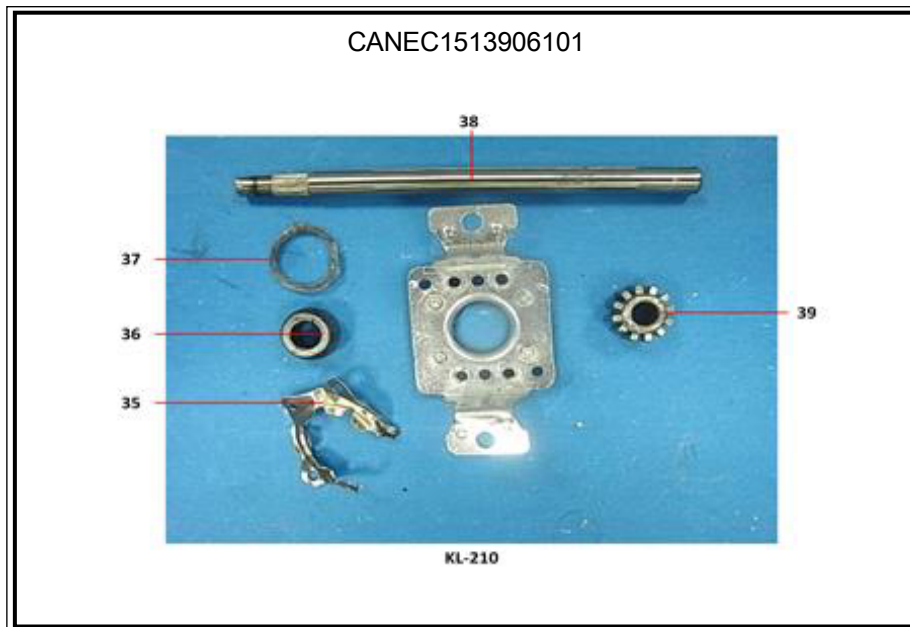
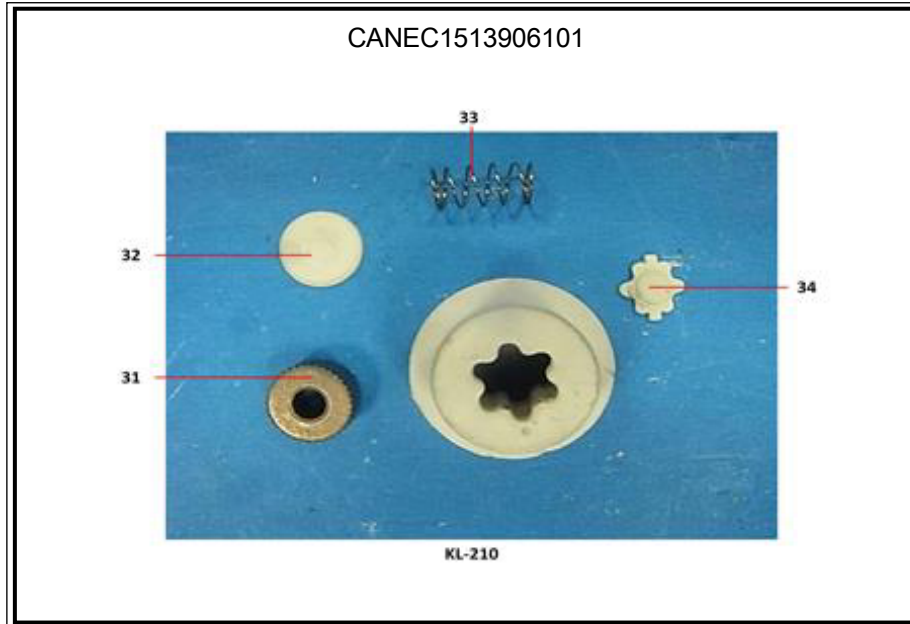
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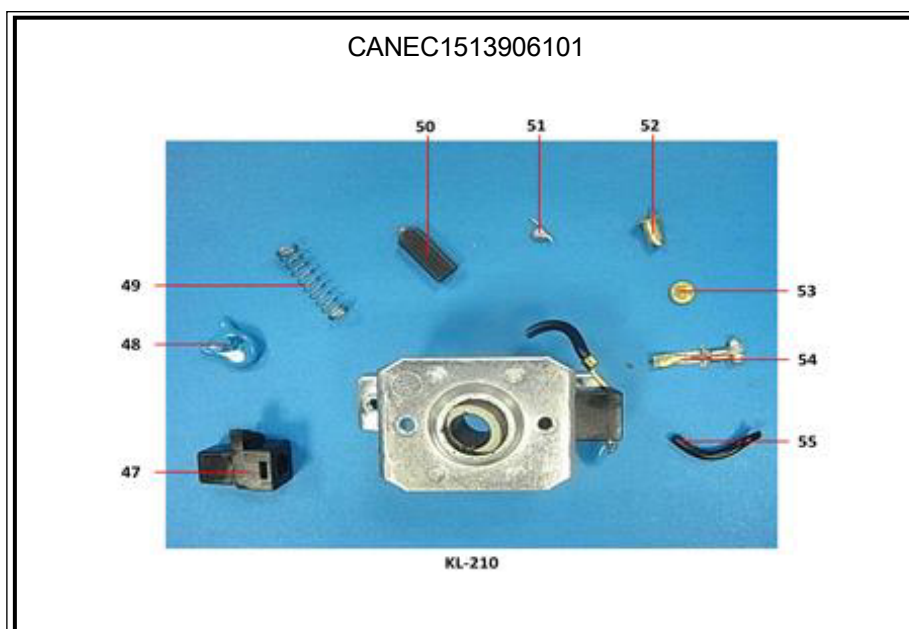
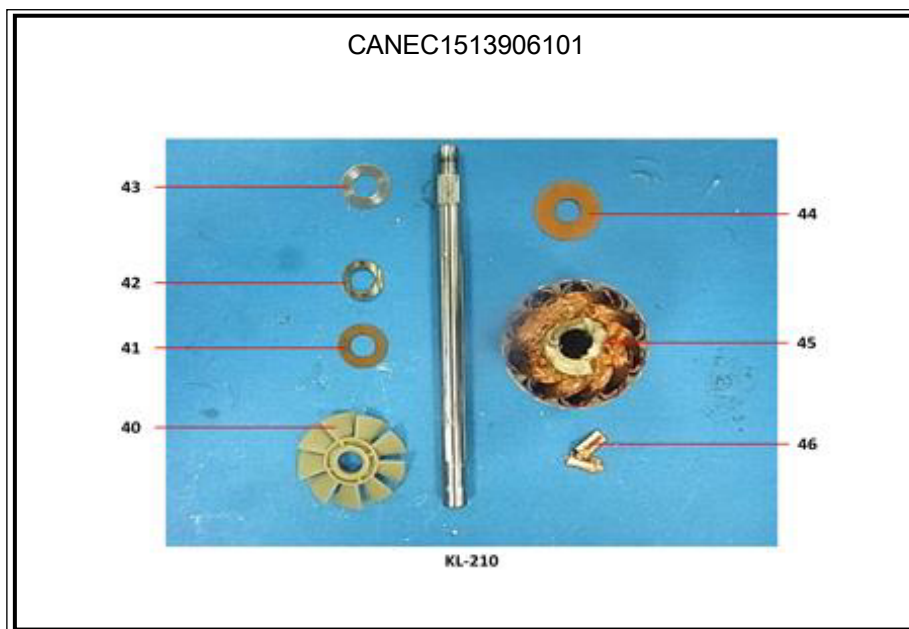
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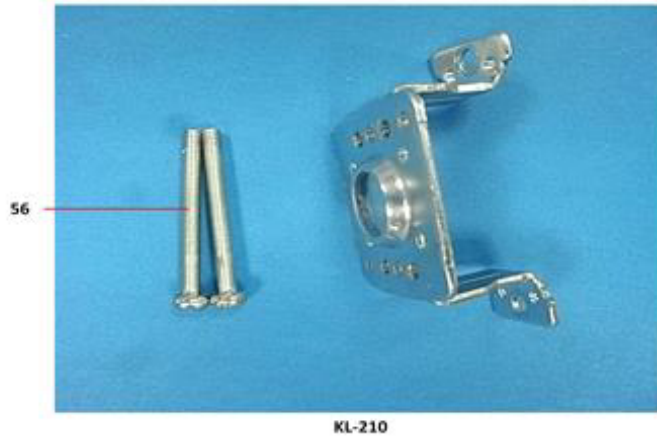
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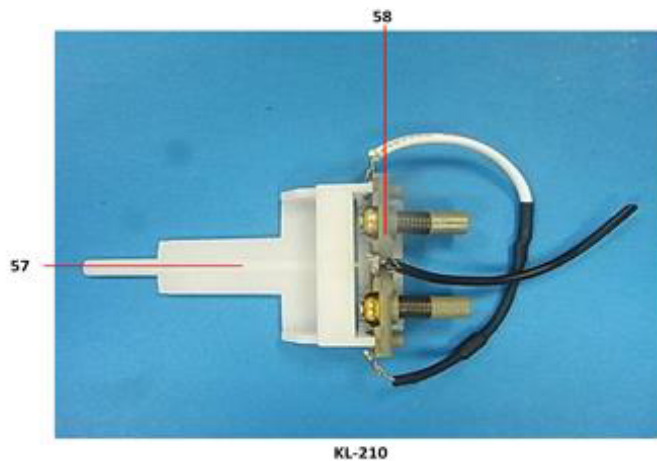


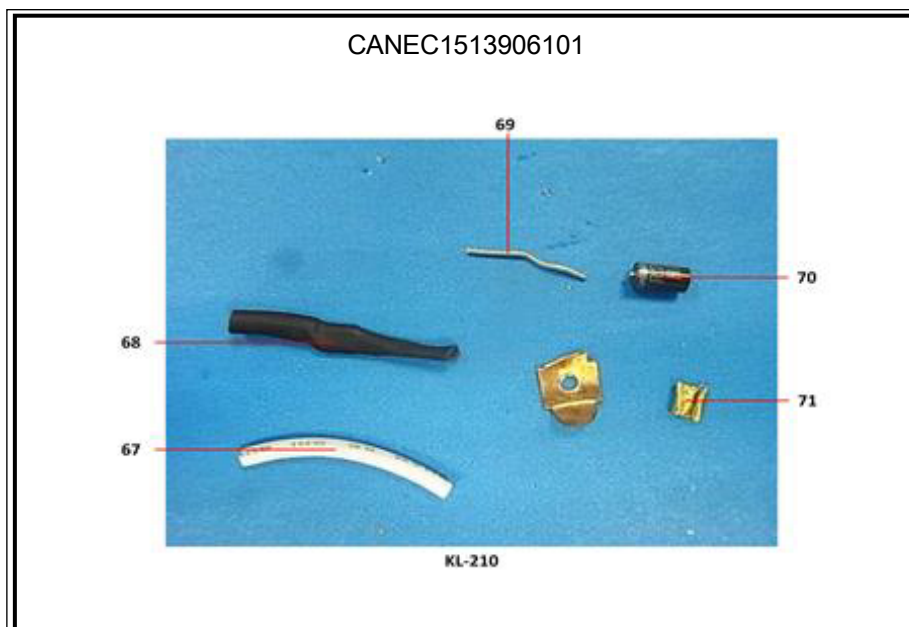
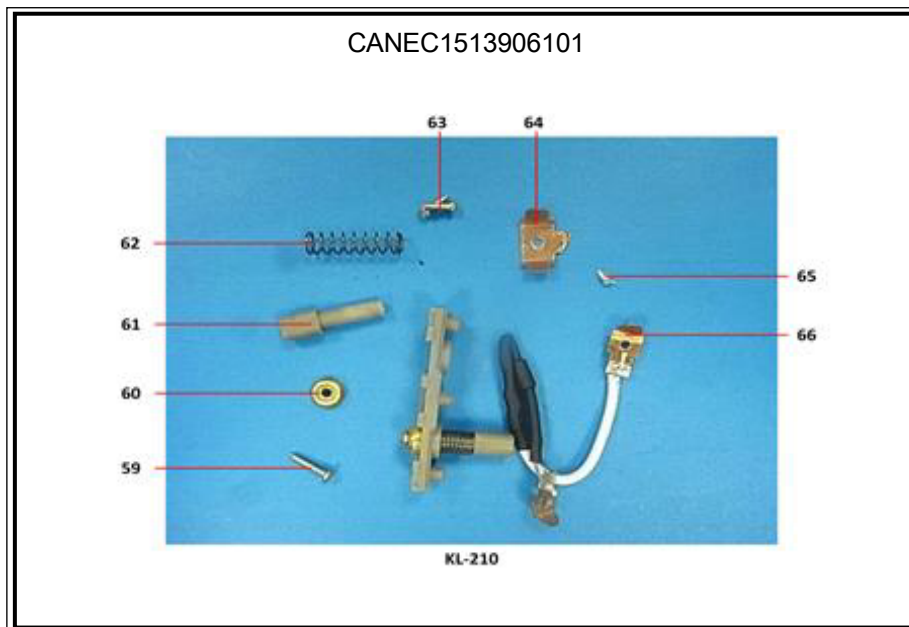


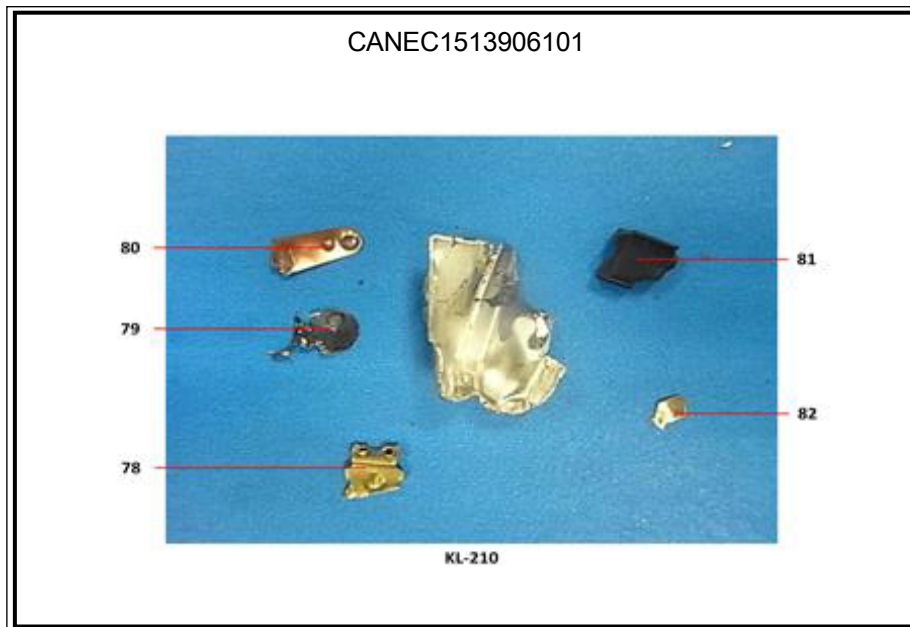
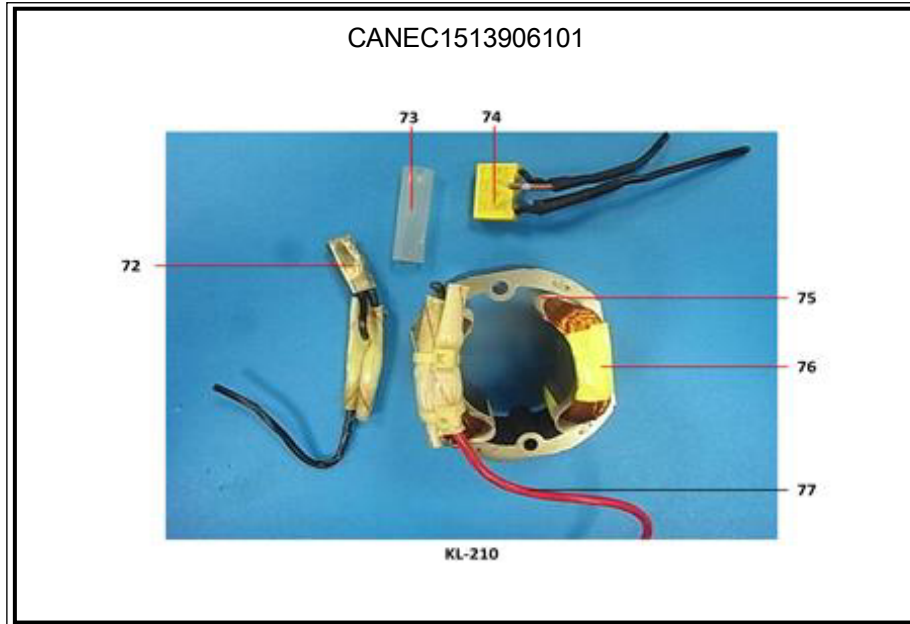
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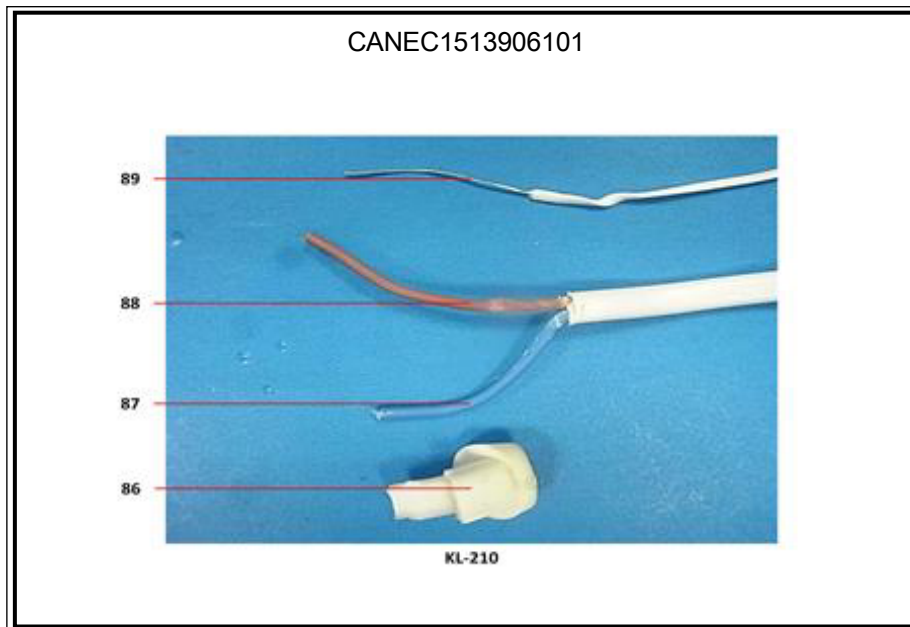
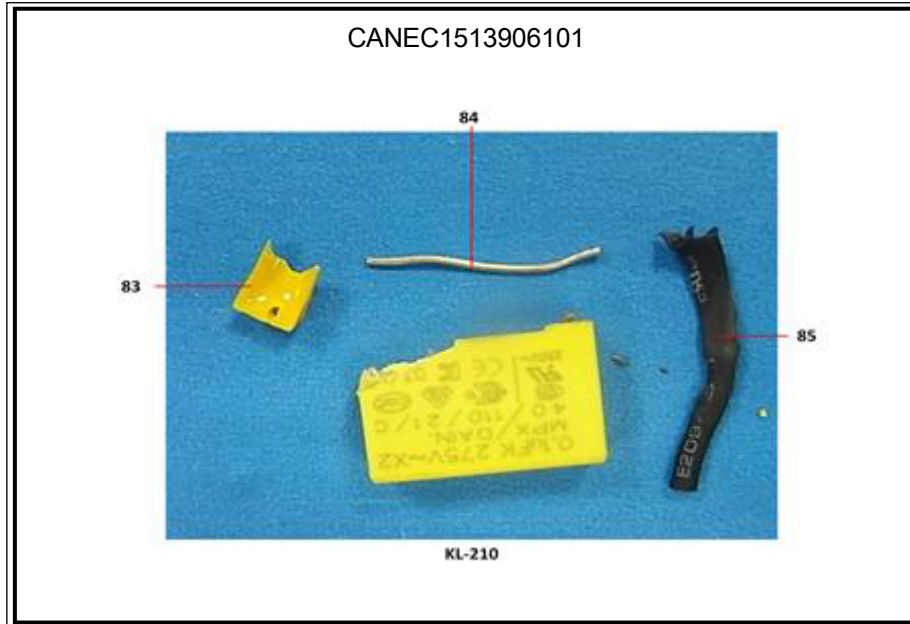


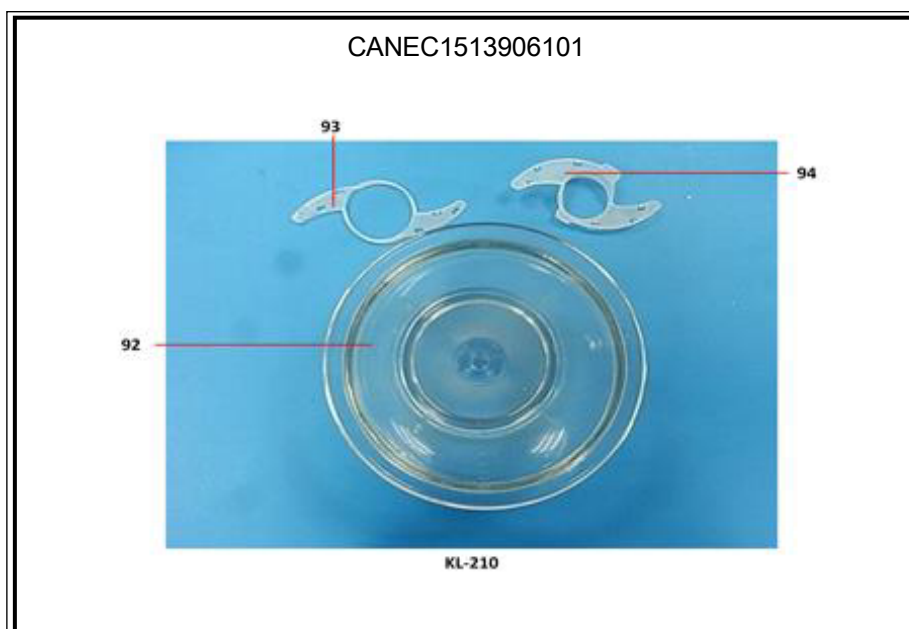
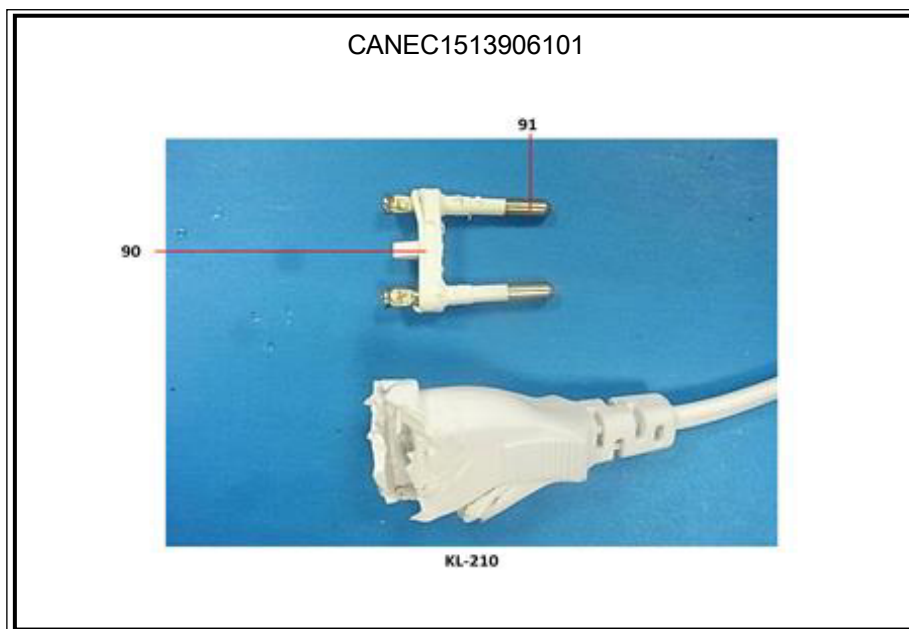
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